

What Is Claimed Is:

1. An adaptable computer profile method comprising:
determining a change in location of a mobile computer;
scoring a current location signature against previously stored location profiles
having location signatures to obtain a highest scoring location profile;
determining whether the highest scoring location profile exceeds a threshold; and
activating computer settings for the highest scoring location profile on the mobile
computer if the highest scoring location profile exceeds the threshold.
2. The method of claim 1, wherein if the highest scoring location profile does
not exceed the threshold, the method further comprising:
generating a new location profile for the current location signature;
storing the current location signature with the new location profile; and
activating the new location profile on the mobile computer, wherein the new
location profile includes computer settings specific to the location of the mobile
computer.
3. The method of claim 2, further comprising sending a location alert to the
user of the mobile computer to inform the user that the current location is within
proximity to the new location profile.

4. The method of claim 1, wherein if the highest scoring location profile does not exceed the threshold, the method further comprising:

displaying a default location profile to the user;

enabling the user to modify the default location profile values to fit the user's needs, if necessary; and

activating the default location profile computer settings on the mobile computer, wherein if the default location profile computer settings are modified by the user, activating the modified default location profile computer settings.

5. The method of claim 4, wherein the default location profile is generated using a Dynamic Host Configuration Protocol.

6. The method of claim 1, wherein the previously stored location profiles comprise location specific computer settings and corresponding location signature, wherein the location specific computer settings comprise Internet Protocol settings, Internet Proxy settings, Virtual Private Network settings, Browser settings, default printer settings, time and time zone settings, and login credential settings.

7. The method of claim 1, wherein scoring the current location signature against the previously stored location profiles having location signatures comprises:
assigning an initial score of 100 to each previously seen access point; and
subtracting the absolute value of one point per 1 dB difference in signal strength from the initial score.

8. The method of claim 1, wherein activating computer settings for the highest scoring location profile on the mobile computer comprises activating location specific computer settings for the highest scoring location profile.

9. The method of claim 1, wherein if the highest scoring location profile does exceed the threshold, the method further comprising sending a location alert to a user of the mobile computer to indicate that a location specific profile has been activated.

10. The method of claim 1, wherein each of the location signatures comprises one or more access points audible around a specific location, wherein the specific location comprises one of a site, a building, a floor within a building, a room within a building, and an area within a room.

11. The method of claim 1, wherein the mobile computer includes a wireless local area network (LAN) network interface card (NIC) and wherein prior to determining a change in location of the mobile computer, the method comprises:

determining the location signatures;

specifying the location specific computer settings for each of the location signatures; and

storing each of the location signatures with their corresponding location specific computer settings as the location profiles on the mobile computer.

12. The method of claim 11, wherein determining the location signatures comprises scanning a surrounding area for the presence of access points and characterizing the access points for the surrounding area.

13. The method of claim 12, wherein characterizing the access points includes access point identification information and access point signal strength information.

14. The method of claim 12, wherein determining characterizing the access points includes obtaining location information for each access point, wherein each access point stores its location in the form of a tuple, wherein a tuple comprises longitude, latitude, and altitude information, and wherein scoring a current location signature against previously stored location profiles having location signatures comprises comparing the tuple for each of the previously stored location profile against the current location signature, determining which of the previously stored location profiles is closest to the current location signature, and selecting the closest previously stored location profile as the highest scoring location profile.

15. The method of claim 1, wherein the mobile computer includes a Global Positioning System (GPS), wherein the GPS communicates with satellites to provide location information to the mobile computer in the form of tuples, wherein a tuple comprises longitude, latitude, and altitude information to describe the location of the mobile computer, and wherein scoring the current location signature against the previously stored location profiles having location signatures comprises comparing the

tuple for each of the previously stored location profiles against the current location signature, determining which of the previously stored location profiles is closest to the current location signature, and selecting the closest previously stored location profile as the highest scoring location profile.

16. The method of claim 1, wherein the mobile computer includes a cellular modem, wherein the cellular modem communicates with a plurality of cell phone towers to obtain information, wherein the information is used to triangulate the location of the mobile computer, and wherein scoring the current location signature against the previously stored location profiles having location signatures comprises comparing the location for each of the previously stored location profiles against the location of the mobile computer, determining which of the previously stored location profiles is closest to the location of the mobile computer, and selecting the closest previously stored location profile as the highest scoring location profile.

17. The method of claim 1, wherein the mobile computer includes an RFID (Radio Frequency Identification) reader, wherein the RFID reader scans a plurality of RFID tags placed on stationary equipment dispersed throughout an enterprise, wherein the RFID tags, when scanned, provide a serial number that is used to determine the location of the stationary equipment from a database stored on a corporate LAN, wherein the location of the stationary equipment is used to determine the location of the mobile computer, and wherein scoring the current location signature against the previously stored location profiles having location signatures comprises comparing the

location for each of the previously stored location profiles against the location of the mobile computer, determining which of the previously stored location profiles is closest to the location of the mobile computer, and selecting the closest previously stored location profile as the highest scoring location profile.

18. An article comprising: a storage medium having a plurality of machine accessible instructions, wherein when the instructions are executed by a processor, the instructions provide for determining a change in location of a mobile computer;

scoring a current location signature against previously stored location profiles having location signatures to obtain a highest scoring location profile;

determining whether the highest scoring location profile exceeds a threshold; and

activating computer settings for the highest scoring location profile on the mobile computer if the highest scoring location profile exceeds the threshold.

19. The article of claim 18, wherein if the highest scoring location profile does not exceed the threshold, the instructions further providing for:

generating a new location profile for the current location signature;

storing the current location signature with the new location profile; and

activating the new location profile on the mobile computer, wherein the new location profile includes computer settings specific to the location of the mobile computer.

20. The article of claim 19, further comprising instructions for sending a location alert to the user of the mobile computer to inform the user that the current location is within proximity to the new location profile.

21. The article of claim 18, wherein if the highest scoring location profile does not exceed the threshold, the instructions providing for:

displaying a default location profile to the user;

enabling the user to modify the default location profile values to fit the user's needs, if necessary; and

activating the default location profile computer settings on the mobile computer, wherein if the default location profile computer settings are modified by the user, activating the modified default location profile computer settings.

22. The article of claim 21, wherein the default location profile is generated using a Dynamic Host Configuration Protocol.

23. The article of claim 18, wherein the previously stored location profiles comprise location specific computer settings and corresponding location signature, wherein the location specific computer settings comprise Internet Protocol settings, Internet Proxy settings, Virtual Private Network settings, Browser settings, default printer settings, time and time zone settings, and login credential settings.

24. The article of claim 18, wherein instructions for scoring the current location signature against the previously stored location profiles having location signatures comprises instructions for:

assigning an initial score of 100 to each previously seen access point; and
subtracting the absolute value of one point per 1 dB difference in signal strength from the initial score.

25. The article of claim 18, wherein instructions for activating computer settings for the highest scoring location profile on the mobile computer comprises instructions for activating location specific computer settings for the highest scoring location profile.

26. The article of claim 18, wherein if the highest scoring location profile does exceed the threshold, the instructions further providing for sending a location alert to a user of the mobile computer to indicate that a location specific profile has been activated.

27. The article of claim 18, wherein each of the location signatures comprises one or more access points audible around a specific location, wherein the specific location comprises one of a site, a building, a floor within a building, a room within a building, and an area within a room.

28. The article of claim 18, wherein the mobile computer includes a wireless local area network (LAN) network interface card (NIC) and wherein prior to instructions for determining a change in location of the mobile computer, the instructions provide for:

- determining the location signatures;
- specifying the location specific computer settings for each of the location signatures; and
- storing each of the location signatures with their corresponding location specific computer settings as the location profiles on the mobile computer.

29. The article of claim 28, wherein instructions for determining the location signatures comprises instructions for scanning a surrounding area for the presence of access points and characterizing the access points for the surrounding area.